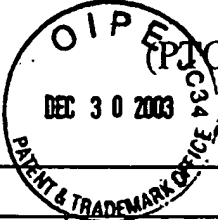


LIST OF PRIOR ART CITED BY APPLICANT 				ATTY. DOCKET NO. CHNT-0011P1		APPLN. SERIAL NO. 10/635,010	
				APPLICANT(S) Arthur M. BROWN, Eckhard FICKER and Barbara A. WIBLE			
				CUSTOMER NO. 34610			
				FILING DATE August 6, 2003		GROUP 1645	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE	
<i>Das</i>	4,202,896	05/13/80	GOOTJES	424	250	12/14/77	
<i>↓</i>	4,476,129	10/09/84	GOOTJES et al.	424	250	06/29/83	
<i>↓</i>	4,874,765	10/17/89	LAPIS et al.	514	255	04/22/87	
<i>↓</i>	6,187,802 B1	02/13/01	CHEETHAM et al.	514	370	09/14/99	
U.S. PATENT APPLICATION PUBLICATIONS							
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS		
U.S. PATENT APPLICATIONS							
	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
<i>Das</i>	WO 91/01732	02/21/91	WIPO	—	—	Yes	No
<i>↓</i>	WO 98/18368	05/07/98	WIPO	—	—		
<i>↓</i>	0 243 903 B1	11/04/87	European Patent Office	—	—	Claims Only	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
<i>Das</i>	C. Funck-Brentano, "Rate-dependence of class III actions in the heart," Fundam. Clin. Pharmacol., 1993, Vol. 7, pp. 51-59.						
<i>↓</i>	Weimin Tang et al., "Development and Evaluation of High Throughput Functional Assay Methods for hERG Potassium Channel, Journ. of Biomolecular Screening, Vol. 6, No. 5, 2001, pp. 325-331.						
<i>↓</i>	Jia Xu et al., "Ion-channel assay technologies: quo vadis?" DDT, Vol. 6, No. 24, December 2001, pp. 1278-1287.						
<i>↓</i>	André Collioud et al., "Oriented and Covalent Immobilization of Target Molecules to Solid Supports: Synthesis and Application of a Light-Activatable and Thiol-Reactive Cross-Linking Reagent," Bioconjugate Chem., Vol. 4, 1993, pp. 528-536.						
<i>↓</i>	Lutz Schmitt et al., "Specific Protein Docking to Chelator Lipid Monolayers Monitored by FT-IR Spectroscopy at the Air-Water Interface, Angew. Chem. Int. Ed. Engl., Vol. 35, No. 3, 1999, pp. 317-320.						
EXAMINER				DATE CONSIDERED			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

SEE 10/619, 184 FOR COPIES OF REFERENCES

LIST OF PRIOR ART CITED BY
APPLICANT

(PTO-1449)

ATTY. DOCKET NO.
CHNT-0011P1APPLN. SERIAL NO.
10/635,010APPLICANT(S)
Arthur M. BROWN, Eckhard FICKER and
Barbara A. WIBLE

CUSTOMER NO. 34610

FILING DATE
August 6, 2003GROUP
1645

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE

U.S. PATENT APPLICATION PUBLICATIONS

	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	

U.S. PATENT APPLICATIONS

	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

<i>gus</i>	Wolfgang Schuhmann et al., "Immobilization of Enzymes on Langmuir-Blodgett Films via a Membrane-Bound Receptor. Possible Applications for Amperometric Biosensors," Adv. Mater., Vol. 3, No. 7/8, 1991, pp. 388-391.
	Jamie L. Vandenberg et al., "HERG ^K channels: friend and foe," Trends Pharmacol. Sci., Vol. 22, 2001, pp. 240-246.
	Mary-Louis Roy, PH.D. et al., "HERG, Primary Human Ventricular Target of the Nonsedating Antihistamine Terfenadine," Circulation, Vol. 94, 1996, pp. 817-823.
	Keith Finlayson et al., "[³ H]Dofetilide binding to HERG transfected membranes: a potential high throughput preclinical screen," Eur. J. Pharm, Vol. 430, 2001, pp. 147-148.
	Georg C. Terstappen, "Functional Analysis of Native and Recombinant Ion Channels Using a High-Capacity Nonradioactive Rubidium Efflux Assay," Anal. Biochem., Vol. 272, 1999, pp. 149-155.
	E.M. Vaughan Williams, "Classification of anti-arrhythmic drugs," Symposium on Cardiac Arrhythmias, Ælsinore, Denmark, April 23-25, 1970, pp. 449-472.
	B.N. Singh et al., "A third class of anti-arrhythmic action. Effects on atrial and ventricular intracellular potentials, and other pharmacological actions on cardiac muscle, of MJ 1999 and AH 3474," Br. J. Pharmacol, Vol. 39, August 1970, pp. 675-689.
✓	B.N. Singh et al., "The effect of amiodarone, a new anti-anginal drug, on cardiac muscle," Br. J. Pharmacol, Vol. 39, August 1970, pp. 657-667.

EXAMINER

David A. Saunders

DATE CONSIDERED

7/5/06

LIST OF PRIOR ART CITED BY
APPLICANT

(PTO-1449)

ATTY. DOCKET NO.
CHNT-0011P1APPLN. SERIAL NO.
10/635,010APPLICANT(S)
Arthur M. BROWN, Eckhard FICKER and
Barbara A. WIBLE

CUSTOMER NO. 34610

FILING DATE
August 6, 2003GROUP
1645

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE

U.S. PATENT APPLICATION PUBLICATIONS

	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	

U.S. PATENT APPLICATIONS

	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

<i>gus</i>	Koonlawee Nademane, MD, FACC, "The Amiodarone Odyssey," J. Am. Coll. Cardiol., Vol. 20, 1992, pp. 1063-1065.
<i>✓</i>	Michael C. Sanguinetti et al., "Two Components of Cardiac Delayed Rectifier K ⁺ Current: Differential Sensitivity to Block by Class III Antiarrhythmic Agents," J. Gen. Physiol., Vol. 96, No. 1, July 1990, pp. 195-215.
<i>✓</i>	Mark E. Curran et al., "A Molecular Basis for Cardiac Arrhythmia: <i>HERG</i> Mutations Cause Long QT Syndrome," Cell, Vol. 80, No. 5, March 10, 1995, pp. 795-803.
<i>✓</i>	Jeffrey R. Balser et al., "Suppression of Time-Dependent Outward Current in Guinea Pig Ventricular Myocytes," Circ. Res., Vol. 69, No. 2, August 1991, pp. 519-529.
<i>✓</i>	Dan M. Roden, MD, "Current Status of Class II Antiarrhythmic Drug Therapy," Am. J. Cardiol., Vol. 72, No. 6, August 26, 1993, pp. 44B-49B.
<i>✓</i>	Luc M. Hondeghem, "Development of Class III Antiarrhythmic Agents," J. Cardiovasc. Cardiol., Vol. 20 Supp. 2, 1992, pp. S17-S22.
<i>✓</i>	L.M. Hondeghem, MD, PhD. et al., "Class III Antiarrhythmic Agents Have a Lot of Potential but a Long Way to Go: Reduced Effectiveness and Dangers of Reverse Use Dependence," Circulation, Vol. 81, No. 2, February 1990, pp. 686-690.

EXAMINER

David A. Saunders

DATE CONSIDERED

7/5/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449)				ATTY. DOCKET NO. CHNT-0011P1		APPLN. SERIAL NO. 10/635,010	
				APPLICANT(S) Arthur M. BROWN, Eckhard FICKER and Barbara A. WIBLE			
				CUSTOMER NO. 34610			
				FILING DATE August 6, 2003		GROUP 1645	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE	
U.S. PATENT APPLICATION PUBLICATIONS							
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS		
U.S. PATENT APPLICATIONS							
	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes No	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
	Tsuneaki Sadanaga, MD et al., "Clinical evaluation of the use-dependent QRS prolongation and the reverse use-dependent QT prolongation of class I and class III antiarrhythmic agents and their value in predicting efficacy," Amer. Heart Journal, Vol. 126, No. 1, July 1993, pp. 114-121.						
	Nancy K. Jurkiewicz et al., "Rate-Dependent Prolongation of Cardiac Action Potentials by a Methanesulfonanilide Class III Antiarrhythmic Agent: Specific Block of Rapidly Activating Delayed Rectifier K ⁺ Current by Dofetilide," Circ. Res., Vol. 72, No. 1, January 1993, pp. 75-83.						
	Bin Lu et al., "Oriented Immobilization of Fab' Fragments on Silica Surfaces," Anal. Chem, Vol. 67, No. 1, January 1, 1995, pp. 83-87.						
	Atsuko Hikikoshi Iwane et al., "Myosin Subfragment-1 Is Fully Equipped with Factors Essential for Motor Function," Biophys. Biochem. Res. Commun., Vol. 230, 1997, pp. 76-80.						
	Kingman Ng et al., "Engineering Protein-Lipid Interactions: Targeting of Histidine-Tagged Proteins to Metal-Chelating Lipid Monolayers," Langmuir, Vol. 11, 1995, pp. 4048-4055.						
	Wolfgang Frey et al., "Two-dimensional protein crystallization via metal-ion coordination by naturally occurring surface histidines," Proc. Natl. Acad. Sci. USA, Vol. 93, No. 10, May 14, 1996, pp. 4937-4941.						
✓							
EXAMINER	<i>David A. Saunders</i>			DATE CONSIDERED		<i>7/5/06</i>	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<div>LIST OF PRIOR ART CITED BY APPLICANT</div> <div>(PTO-1449)</div> <div><div>DEC 30 2003</div><div>O I P E</div><div>PATENT & TRADEMARK OFFICE</div></div>		ATTY. DOCKET NO. CHNT-0011P1		APPLN. SERIAL NO. 10/635,010			
		APPLICANT(S) Arthur M. BROWN, Eckhard FICKER and Barbara A. WIBLE					
		CUSTOMER NO. 34610					
		FILING DATE August 6, 2003		GROUP 1645			
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE	
U.S. PATENT APPLICATION PUBLICATIONS							
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS		
U.S. PATENT APPLICATIONS							
	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes No	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
dal	Elizabeth W. Kubalek et al., "Two-Dimensional Crystallization of Histidine-Tagged, HIV-1 Reverse Transcriptase Promoted by a Novel Nickel-Chelating Lipid," J. Struct. Biol., Vol. 113, No. 2, September/October 1994, pp. 117-123.						
	George B. Sigal et al., "A Self-Assembled Monolayer for the Binding and Study of Histidine-Tagged Proteins by Surface Plasmon Resonance," Anal. Chem., Vol. 68, No. 3, February 1, 1996, pp. 490-497.						
	Michiko Furutani et al., "Novel Mechanism Associated With an Inherited Cardiac Arrhythmia: Defective Protein Trafficking by the Mutant HERG (G601S) Potassium Channel," Circulation, Vol. 99, No. 17, May 4, 1999, pp. 2290-2294.						
	David B. Lewis et al., "Oxygenated Analogues of 1-[2-(Diphenylmethoxy)ethyl]- and 1-[2-[Bis(4-fluorophenyl)methoxy]ethyl]-4-(3-phenylpropyl)piperazines (GBR 12935 and GBR 12909) as Potential Extended-Action Cocaine-Abuse Therapeutic Agents," J. Med. Chem., Vol. 42, No. 24, December 1999, pp. 5029-5042.						
✓	Aloke K. Dutta et al., "Positional Importance of the Nitrogen Atom in Novel Piperidine Analogs of GBR 12909: Affinity and Selectivity for the Dopamine Transporter," Med. Chem. Res., Vol. 3, No. 4, 1993, pp. 209-222.						
EXAMINER	David A. Saunders			DATE CONSIDERED 7/5/06			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

LIST OF ART CITED BY APPLICANT



(PTO-1449)

ATTY. DOCKET NO.
CHNT-0011P1

APPLN. SERIAL NO.

10/635,010

APPLICANT(S)

Arthur M. BROWN, Eckhard FICKER and Barbara A. WIBLE

FILING DATE
08/06/2003

GROUP

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
<i>duf</i>	6,743,797	6/01/2004	Brown et al.	514	255.04	2/22/2002

U.S. PATENT APPLICATION PUBLICATIONS

	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	
<i>duf</i>	US 2002/0068305	6/6/2002	Woska, Jr. et al.	435	7.2	
	US 2003/0022205	1/30/2003	Curtis	435	6	
↓	US 2004/0018566	1/29/2004	Vallone et al.	435	7.21	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

<i>duf</i>	C. Isacke, "The Adhesion Molecule Facts Book", Second Edition, Academic Press, 2000, pp. 149-151.

EXAMINER

David A. Saunders

DATE CONSIDERED

7/5/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.